## What is claimed is:

1	1.	A method comprising:
2		determining a timing relationship between a video window and a capture
3	raster, wherein	n the video window is within a display raster; and
4		adjusting a pixel clock to avert shear of the video window.
.1	2.	The method of claim 1, further comprising:
2		determining that the video window is within the timing of the capture
3	raster; and	
4		quickly moving image shear out of the video window.
1	3.	The method of claim 1, further comprising:
2		determining that the video window is not fully within the timing of the
3	capture raster;	, and
4		setting the pixel clock to cause the display raster to drift slowly.
1	4.	The method of claim 3, further comprising:
2		setting a color burst generator to phase-lock within the display raster.
1	5.	The method of claim 4, setting a color burst generator to phase-lock within
2	the display ra	ster further comprising setting the color burst generator to a predetermined
3	nominal settir	ng.
1	6.	The method of claim 2, quickly moving image shear out of the video
2	window furth	er comprising:
3		determining that the video window is later than the capture raster; and
4		adjusting the pixel clock to quickly retard the display raster.
1	7.	The method of claim 6, further comprising:

2		adjusting a color burst generator to maintain a viewable image on the
3	display raster.	
1	8.	The method of claim 7, further comprising:
2		retrieving frequency error information from a table of predetermined
3	phase-locked l	loop parameters; and
4		calculating a color burst adjustment using the frequency error information.
1	9.	The method of claim 2, quickly moving image shear out of the video
2	window further	er comprising:
3		determining that the video window is earlier than the capture raster;
4		adjusting the pixel clock to quickly advance the display raster; and
5		adjusting a color burst generator to maintain a viewable image on the
6	display raster.	
1	10.	The method of claim 3, setting the pixel clock to cause the display raster
2	to drift slowly	further comprising:
3		determining that the pixel clock is quickly advancing the display raster;
4	and	
5		setting the pixel clock to slowly advance the display raster.
1	11.	The method of claim 3, setting the pixel clock to cause the display raster
2	to drift slowly	y further comprising:
3		determining that the pixel clock is quickly retarding the display raster; and
4		setting the pixel clock to slowly retard the display raster.

1	12.	The method of claim 1, further comprising determining a capture raster
2	scan line num	ber.
1	13.	The method of claim 12, further comprising determining a display raster
2	scan line num	ber.
1	14.	The method of claim 13, further comprising:
2		determining a capture raster field polarity; and
3		determining a display raster field polarity.
1	15.	The method of claim 1, determining a timing relationship between a video
2	window and a	a capture raster further comprising:
3		periodically monitoring the capture raster and the display raster.
1	16.	The method of claim 15, wherein the monitoring period is not an exact
2	multiple of a	
1	17.	The method of claim 1, adjusting a pixel clock to avert shear of the video
2	window furth	er comprising:
3		identifying a vertical retrace period; and
1		involving an interrupt service routine to adjust the nivel clock

1	18.	A method comprising:
2		determining a timing relationship between a video window and a capture
3	raster, wherei	in the video window is within a display raster; and
4		adjusting a pixel clock to maintain a shear-free display of the video
5	window.	
1	19.	The method of claim 18, adjusting the pixel clock to maintain a shear-free
2	display of the	e video window further comprising:
3		determining that the timing relationship between the video window and
4	the capture ra	aster is above a predetermined threshold; and
5		setting the pixel clock to slowly retard the display raster.
1	20.	The method of claim 18, adjusting the pixel clock to maintain a shear-free
2	display of the	e video window further comprising:
3		determining that the timing relationship between the video window and
4	the capture ra	aster is below a predetermined threshold; and
5		setting the pixel clock to slowly advance the display raster.
1	21.	The method of claim 18, adjusting the pixel clock to maintain a shear-free
2	display of the	e video window further comprising:
3		determining that the timing relationship between the video window and
4	the capture ra	aster is within a predetermined range; and
5		not adjusting the nixel clock

1	22.	The method of claim 19, determining that the timing relationship between
2	the video wir	ndow and the capture raster is above a predetermined threshold further
3	comprising:	
4		determining a rate of drift between the capture raster and the display
5	raster.	
1	23.	The method of claim 22, determining a rate of drift between the capture
2	raster and the	display raster further comprising:
3		sampling a first indicator of the capture raster;
4		sampling a second indicator of the display raster;
5		differencing the first indicator from the second indicator to produce a
6	result; and	
7		comparing the result with a previously calculated result to produce a
8	difference of	differences.
1	24.	The method of claim 23, further comprising averaging the difference of
2	differences w	ith previously stored difference of differences.
1	25.	The method of claim 18, further comprising:
2		retrieving frequency error information from a table of predetermined
3	phase-locked	loop parameters.

1	26.	The method of claim 25, retrieving frequency error information from a
2	table of predet	ermined phase-locked loop parameters further comprising:
3		retrieving an upper parameter, a middle parameter, and a lower parameter
4	from a group o	of neighboring phase-locked loop parameters within the table; and
5		designating the middle parameter as a default setting.
1	27.	A method comprising:
2		determining a timing relationship between a video window and a capture
3	raster, wherein	the video window is within a display raster;
4		adjusting a pixel clock to avert shear of the video window; and
5		adjusting the pixel clock to maintain a shear-free display of the video
6	window.	
1	28.	The method of claim 27, adjusting the pixel clock to avert shear of the
2	video window	further comprising:
3		monitoring the timing relationship between the display raster and the
4	capture raster,	wherein the monitoring is performed at a first frequency.
1	29.	The method of claim 28, adjusting the pixel clock to maintain a shear-free
2	display of the	video window further comprising:
3		monitoring the timing relationship between the display raster and the
4	capture raster,	wherein the monitoring is performed at a second frequency.
1	30.	The method of claim 29, further comprising:
2		monitoring the timing relationship between the display raster and the
3	capture raster	, wherein the first frequency is greater than the second frequency.

1		31.	An article comprising a medium storing instructions for enabling a system
2	to:		
3			calculate a timing relationship between a video window and a capture
4	raster,	wherei	n the video window is within a display raster; and
5			adjust a pixel clock to avert shear of the video window.
1		32.	The article of claim 31, wherein the instructions further enable the system
2	to:		
3			determine that the video window is within the timing of the capture raster;
4	and		
5			quickly move image shear out of the video window.
1		33.	The article of claim 31, wherein the instructions further enable the system
2	to:		
3			determine that the video window is not within the timing of the capture
4	raster;	and	
5			set the pixel clock to cause the display raster to drift slowly.
		2.4	The article of claim 33, wherein the instructions further enable the system
1		34.	The article of claim 55, wherein the instituctions further chable the system
2	to:		the selection to the display roster
3			set a color burst generator to phase-lock to the display raster.
1		35.	The article of claim 34, wherein the instructions further enable the system
2	to:		
3			set the color burst generator to a predetermined nominal setting.

1		36.	The article of claim 31, wherein the instructions further enable the system
2	to:		
3			determine that the video window is later than the capture raster; and
4			adjust the pixel clock to quickly retard the display raster.
1		37.	The article of claim 36, wherein the instructions further enable the system
2	to:		
3			adjust a color burst generator to maintain a viewable image on the display
4	raster.		
1		38.	The article of claim 33, wherein the instructions further enable the system
2	to:		
3			determine that the video window is before the capture raster;
4			adjust the pixel clock to quickly advance the display raster; and
5			adjust a color burst generator to maintain a viewable image on the display
6	raster		
1		39.	The article of claim 33, wherein the instructions further enable the system
2	to:		
3			determine that the pixel clock is quickly advancing the display raster; and
4			set the pixel clock to slowly advance the display raster.

1	40.	The article of claim 33, wherein the instructions further enable the system
2	to:	
3		determine that the pixel clock is quickly retarding the display raster; and
4		set the pixel clock to slowly retard the display raster.
1	41.	An article comprising a medium storing instructions for enabling a system
2	to:	7 in action comprising a modular storing instructions for chaoming a system
3	ιο.	determine a timing relationship between a video window and a capture
3		•
4	raster, where	in the video window is within a display raster; and
5		adjust a pixel clock to maintain a shear-free display of the video window.
1	42.	The article of claim 41, further storing instructions for enabling a system
2	to:	
3		determine that the timing relationship between the video window and the
4	capture raste	r is above a predetermined threshold; and
5		set the pixel clock to slowly retard the display raster.
1	43.	The article of claim 41, further storing instructions for enabling a system
2	to:	
3		determine that the timing relationship between the video window and the
4	capture raste	r is below a predetermined threshold; and
5		set the pixel clock to slowly advance the display raster.

1		44.	The article of claim 41, further storing instructions for enabling a system
2	to:		
3			determine that the timing relationship between the video window and the
4	captu	re raster	r is within a predetermined range; and
5			not adjust the pixel clock.
1		45.	The article of claim 42, further storing instructions for enabling a system
2	to:		
3			determine a rate of drift between the capture raster and the display raster.
1		46.	The article of claim 45, further storing instructions for enabling a system
2	to:		
3			sample a first indicator of the capture raster;
4			sample a second indicator of the display raster;
5			difference the first indicator from the second indicator to produce a result;
6	and		
7			compare the result with a previously calculated result to produce a
8	differ	ence of	differences.
1		47.	The article of claim 46, further storing instructions for enabling a system
2	to:	• • • •	The united of claim to, farmer stering more desired for claimering a system
3			average the difference of differences with previously stored difference of
4		differ	

1	48.	An article comprising a medium storing instructions for enabling a system
2	to:	
3		determine a timing relationship between a video window and a capture
4	raster, where	in the video window is within a display raster;
5		adjust a pixel clock to avert shear of the video window; and
6		adjust the pixel clock to maintain a shear-free display of the video
7	window.	
1	49.	The article of claim 48, further storing instructions to enable a system to:
2		monitor the timing relationship between the display raster and the capture
3	raster, where	in the monitoring is performed at a first frequency.
1	50.	The article of claim 49, further storing instructions to enable a system to:
2		monitor the timing relationship between the display raster and the capture
3	raster, where	in the monitoring is performed at a second frequency.
1	51.	The article of claim 50, further storing instructions to enable a system to:
2		monitor the timing relationship between the display raster and the capture
3	raster, where	ein the first frequency is greater than the second frequency.